

DIST

COUNTY

ROUTE

POST MILES  
TOTAL PROJECT

SHEET  
No.

TOTAL  
SHEETS

X

X

X

X

X

X

REGISTERED CIVIL ENGINEER

X

DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER

X

No.

X

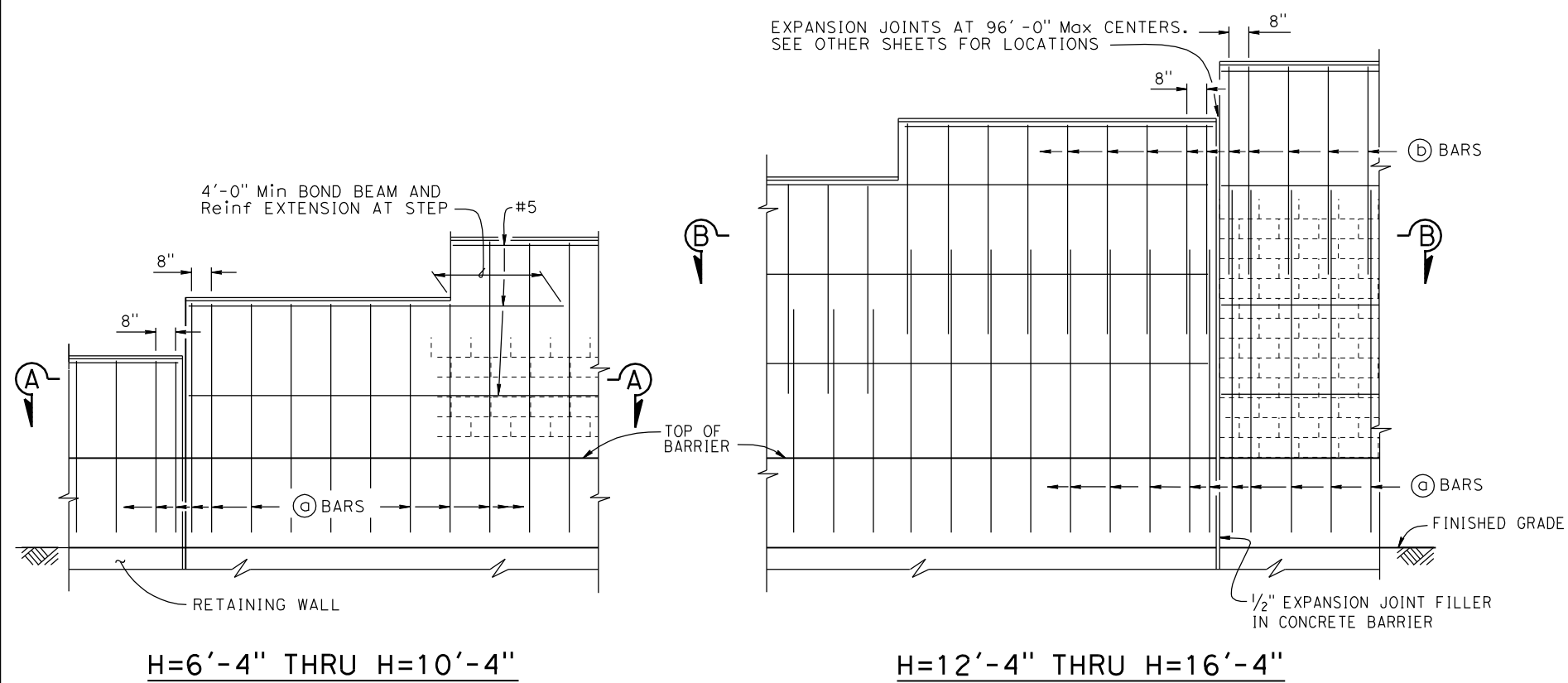
Exp.

X

CIVIL

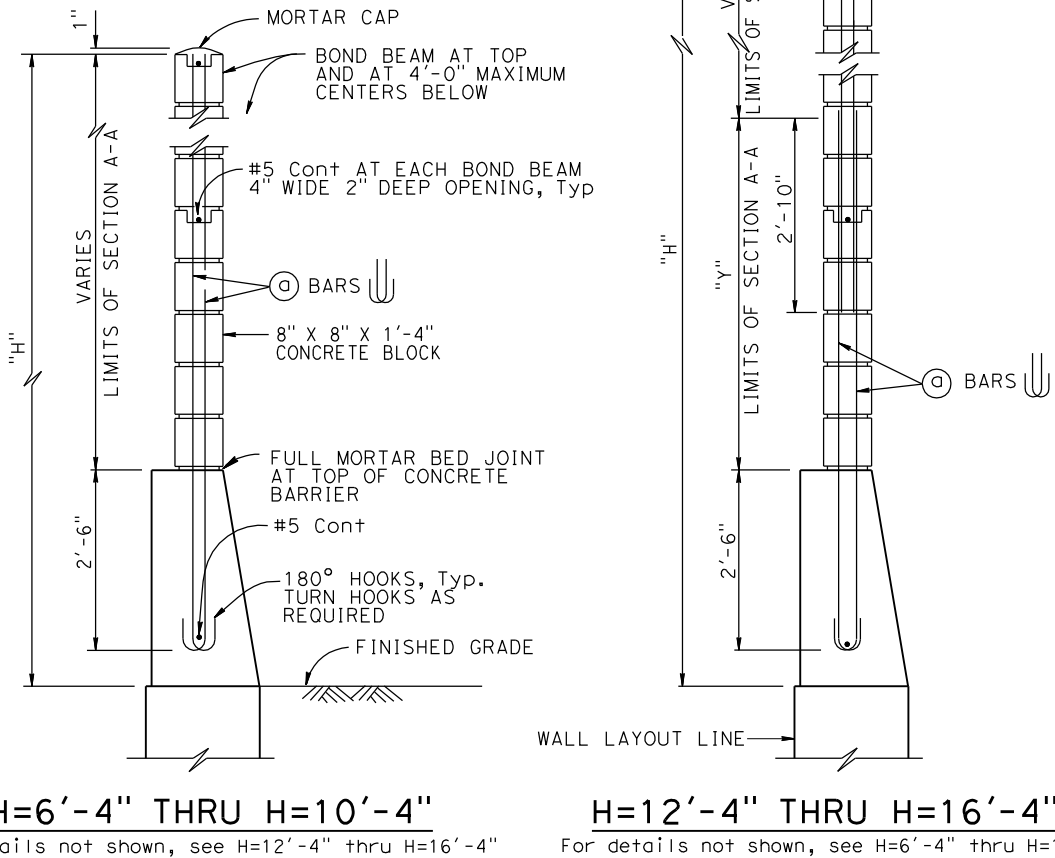
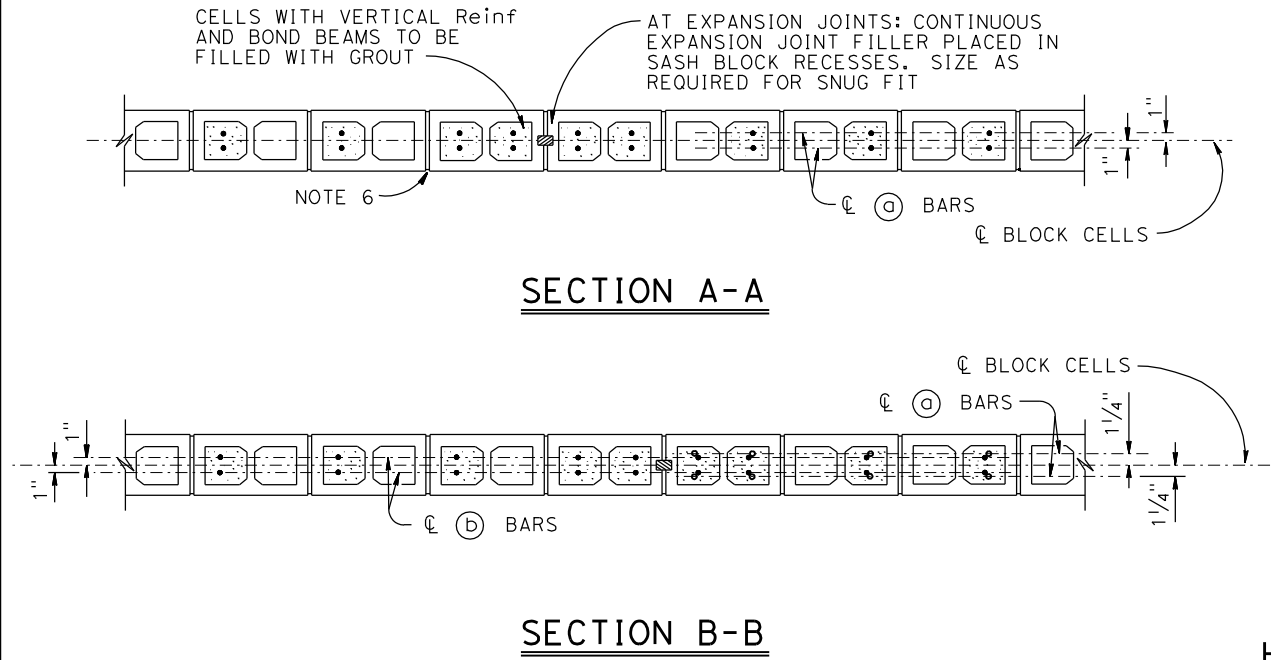
STATE OF CALIFORNIA

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SOUND WALL REINFORCEMENT TABLE						
MAXIMUM "H"	ⓐ BARS @ 1'-4" Max	ⓑ BARS @ 1'-4" Max	"Y"	f'm (psi)	COMPRESSIVE STRENGTH OF CMU (psi)	MAXIMUM "H"
6'-4"	#4	—	—	1500	1900	6'-4"
8'-4"	#4	—	—	1500	1900	8'-4"
10'-4"	#4	—	—	1500	1900	10'-4"
12'-4"	#5	#4	5'-0"	1500	1900	12'-4"
14'-4"	#6	#4	7'-0"	1500	1900	14'-4"
16'-4"	#6	#4	9'-0"	2500	3700	16'-4"

PART ELEVATION



- NOTES:
- For details not shown, see "SOUND WALL - MASONRY BLOCK WITH BARRIER ON RETAINING WALL - DETAILS NO. 2" sheet
  - Slope ground at traffic side of barrier to drain. Maximum slope ±10%
  - See STANDARD PLANS B15-9 for other details
  - For type of block and joint finish, see other sheets
  - When blocks are laid in stacked bond, ladder type, galvanized joint reinforcement shall be provided. A minimum of 2-9 gauge wire continuous at 4'-0" maximum to be used. Locate reinforcement in joints that are at the approximate midpoint between bond beams
  - Horizontal joints shall be tooled concave or may be weathered. Vertical joints shall be tooled concave or may be raked
  - For intermediate wall heights that are between the "H's" given, use the tabular information for the next higher "H"
  - Masonry strengths are listed in "SOUND WALL REINFORCEMENT TABLE"
  - Concrete to be used for the barrier shall contain not less than 590 pounds of cementitious material per cubic yard

TYPICAL SECTION

STANDARD DRAWING

FILE NO. **xs15-130-1**

APPROVAL DATE July 2011

STATE OF  
**CALIFORNIA**  
DEPARTMENT OF TRANSPORTATION

DIVISION OF  
**ENGINEERING SERVICES**

BRIDGE NO.
X
POST MILE
X

NO SCALE

**X**

**MASONRY BLOCK SOUND WALL WITH BARRIER ON RETAINING WALL**

**DETAILS NO. 1**